

# TRAFFIC TECHNOLOGIES



CAPABILITY



**Traffic Technologies Ltd  
is Australia's Premier Traffic  
Company in Providing  
Innovative and Cost Effective  
Solutions to the Traffic Industry**



Established In 2004 and listed on The Australian Stock Exchange In 2005 (Asx Stock Code: TTI), **Traffic Technologies** has built a strong reputation in a demanding industry through its technical products and services - **Aldridge Traffic Systems** (ATS), Signage Division – **DeNeefe**, Traffic Controller Operations – **Quick Turn Circuits** (QTC) – **L&M Traffic Services** (LMTS) Installation and Maintenance Division – and **iTS** – Intelligent Traffic Systems.

Our company's head office is located in Eltham, Victoria, Australia, and has offices located throughout Australia including; Sydney, Brisbane, Darwin, Canberra, Adelaide, Perth, Hobart and internationally – the United Kingdom (UK), along with a distribution network in Brunei, Chile, China, Colombia, Denmark, Ecuador, Fiji, Greece, Hong Kong, India, Ireland, Malaysia, Mexico, Myanmar, New Zealand, Pakistan, Philippines, Qatar, Russia, Saudi Arabia, Singapore, South Africa and Vietnam.

Through this network our customers can be assured they will receive exceptional service and quality thanks to our highly trained and experienced staff and state of the art manufacturing facilities.

## Global business





# ALDRIDGE

Aldridge Traffic Systems Pty Ltd (ATS) has over 50 years' experience in the design, manufacture and installation of traffic signals, emergency telephones, portable roadside technology and road lighting products.

Our state of the art facility at Rhodes, NSW, is our main manufacturing centre. The facility is managed and run by a highly qualified and experienced team of engineers and production staff with over 40 employees.

With two manufacturing facilities and three R&D centres along with offices in all states, territories and cities, Aldridge has the capability to manage, design and produce extensive and complex infrastructure projects throughout Australia as well as Internationally.





Established in 1995, Quick Turn Circuits (QTC), has a long history in designing, developing, manufacturing and maintaining traffic and transport related hardware and software systems. With over 20 years experience of working with major Road Authorities and Municipalities globally.

As a leader in the design and delivery of innovative and cost effective solutions for engineering and commissioning of transport and traffic systems, QTC ensures that product and systems development are certified to a ISO9001:2015 standard, qualifying QTC to be competitive and world class in function and performance. Therefore providing reliable operation in all possible environments to a global market. This includes the successful supply chain of product and systems to countries including; Australia, Colombia, Ecuador, Ireland, Qatar, China, Brunei, Malaysia, Singapore, Hong Kong, Samoa, New Zealand and Pakistan.

QTC controllers have the capability to allow co-ordination of traffic flows between adjacent intersections when connected to a coordinated adaptive traffic system. As designers and system integration specialists, QTC has proven experience, technical expertise, a global resource base and business relationships allowing us to provide leading edge integrated turnkey solutions.

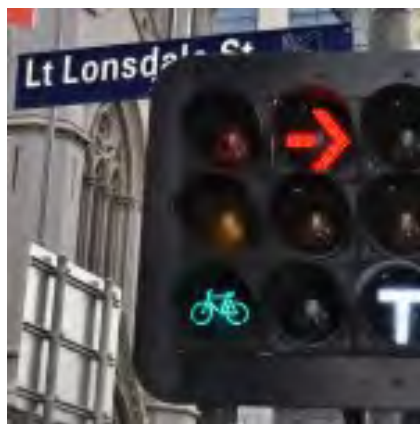




Established in 1985, L & M Traffic Services (LMTS) has extensive industry experience and technical knowledge that extends into the installation and maintenance of public roadway lighting, electronic signage, radar and height detection devices, wireless linking, car-park entry and exit systems along with speciality signalling for emergency services.

With Road Authority and Municipality accreditation, LMTS has a proven track record in delivering turnkey solutions in Electrical and Civil Construction.

With a 24-hour emergency service centre and a dedicated traffic repair centre for traffic signal controllers and microprocessor based equipment, our highly trained accredited team fault finds, maintains and services equipment and contracts for Road Authorities and Municipalities through central monitoring systems giving clients assurance that KPI's are upheld.





# DeNeeffe Signs

A Subsidiary of Traffic Technologies Ltd

Founded in 1926, for well over 90 years DeNeeffe is established as one of Australia's largest and most reputable manufacturers of fixed metal directional and instructional traffic signs.

With manufacturing across all states, DeNeeffe supplies a comprehensive range of traffic control products, vests, brackets, cones and bollards, as well as corporate signage for both Government, Councils and private sectors.

With state of the art computerised systems, along with latest software and technology, DeNeeffe are able to provide and install to all Local Government and Road Authority requirements.

DeNeeffe Signs implement systems to support growth and success. The Graphics Department currently have 5 work stations, an image setter for screen printing positives, together with computer and flatbed cutters which increase workflow to other areas of the company. The administration department has the latest 'state of the art' computer system, which services the processing of orders, invoicing, estimating and production planning.





PROFILE

A division of Aldridge Traffic Systems, i:TS Intelligent Traffic Systems designs, develops and installs off the shelf and bespoke solutions for the Intelligent Transport Systems market across Australia.

In today's traffic environment, static road signs and street signs are no longer enough to provide motorists with the right information when they require it. Intelligent transport systems have technologically progressed in the transport industry to include electronic variable message and travel related information signs and sensor technology.

Intelligent transport systems monitor traffic and display important information to the motorists in a relevant and timely manner so that they can make informed decisions ahead of time. Better informed motorists help create safer and smoother traffic flows on our road network.

i:TS is located in Sumner Park Brisbane and is at the forefront of the Intelligent Transportation Systems industry and we proudly develop and supply a variety of products, but not limited to:

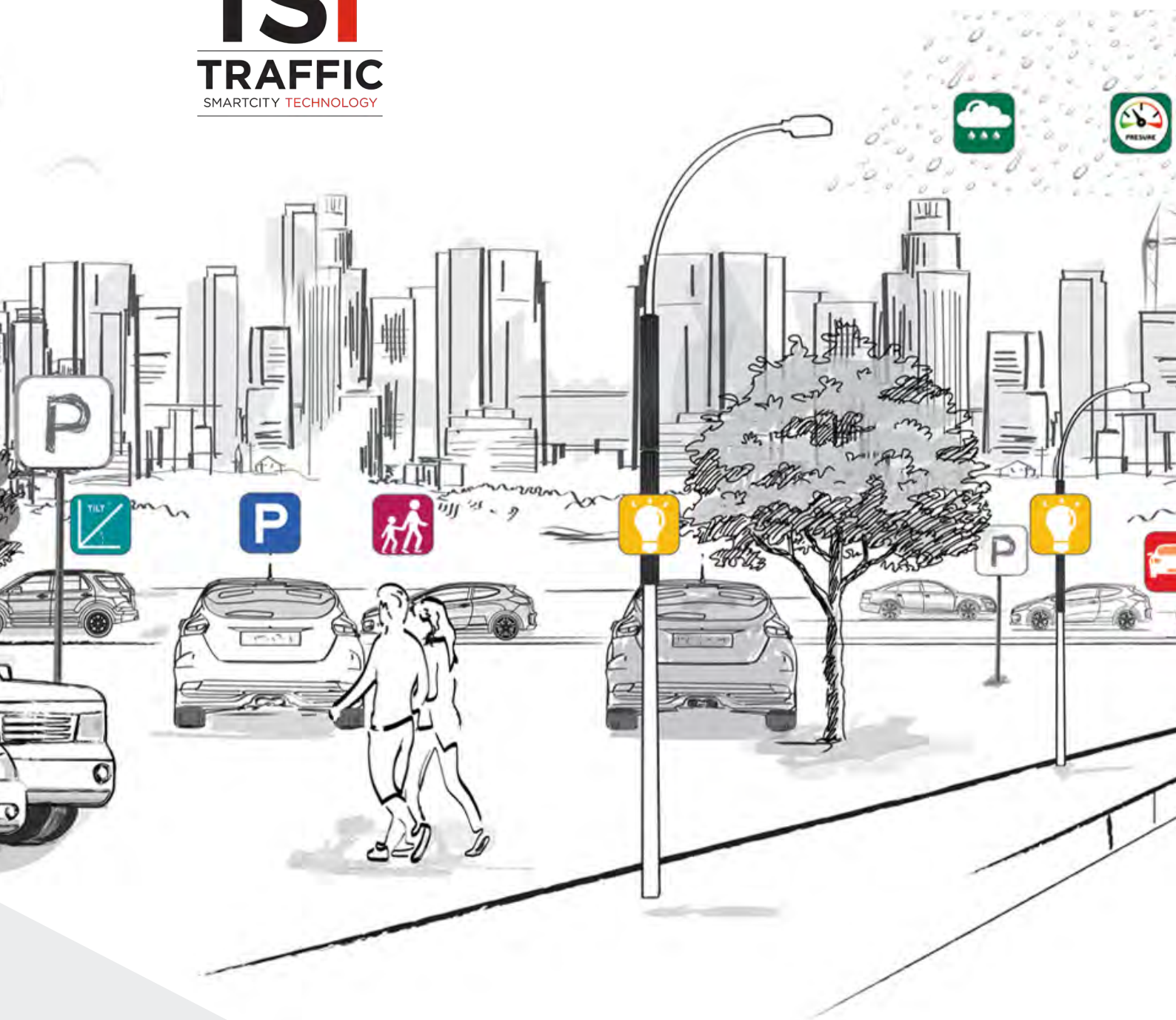
- LED Enhanced School Zone Signs
- Fixed Static and Full Matrix LED Variable Message Signs
- Portable Variable Message Signs
- Vehicle Activated Speed and Warnings Signs
- Driver Speed Feedback signs
- Road Condition and Management Solutions Signs
- LED Solar Light Tower Trailers
- Flashing Arrow Board Signs
- Variable Speed Limit Signs
- CCTV Camera Trailers











SMARTCITY TECHNOLOGY





# CONNECTING COMMUNITIES



TST's revolutionary smart city technology brings together the functionality of today's modern cities, segmented into five fundamental categories across one platform, creating cities of the future, today.

## ASSET MANAGEMENT

- Rapid batch device information input
- Compatibility with multiple surveillance devices
- Auto-equipment commissioning

## ENERGY REPORTING

- Real-time energy consumption
- Real-time equipment status monitoring
- Energy saving statistics

## ENVIRONMENTAL MONITORING

- Real-time element monitoring, including:  
temperature, humidity and illumination

## ROAD, STREET & TUNNEL LIGHTING

- Light sensor and vehicle detection interface
- Emission and cost saving data for local councils

## TRAFFIC CONTROL

- Interpretation of traffic data to maximise traffic flow by adjusting traffic lights and other signals
- Potential to guide emergency vehicles via the fastest route and
- Driver and public awareness through data visualisation







### Data Integration

Our platform is built for the future allowing for multiple open sourced connection types



### Data Visualisation

Intuitive and simple user interfaces, allows data to be easily interpreted and actioned



### Device Control

Connect to your devices and receive real time updates on performance and status



### Data Access

Get access to your data from any of your internet devices



### Data Storage

Scalable storage solutions which allows the network to grow without limits



### Data Analytics

Use real world data to make better decisions around performance, replacements and interventions



### Data Security

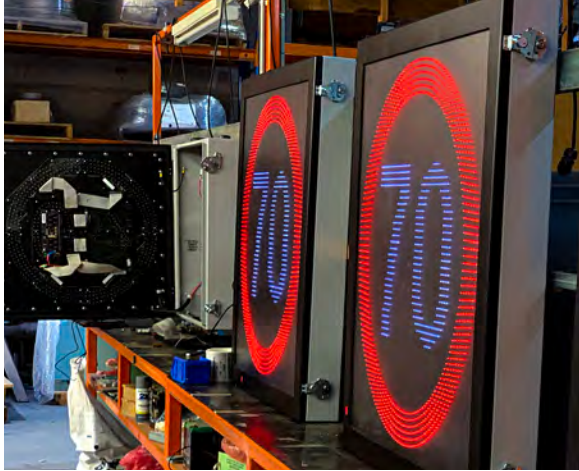
Complete confidence is assured with encrypted connections for the entire data path



### Device Configuration

You choose what sensors you require and what information you need, TST system is completely configurable





## CAPABILITY

### Experience

With experience for over 50 years in designing, manufacturing, installation and maintaining traffic management products, our reputation and knowledge base has led to the development of strong long lasting relationships with all levels of government, which includes all the State Road Authorities in Australia, local councils, council procurement associations, contractors and power companies. This expertise has enabled a powerful understanding of the requirements and the exacting standards required to work within these sectors.

### Manufacturing

We have nine manufacturing facilities in Australia, the largest based at Rhodes, NSW, with a highly qualified and experienced team of 125 engineers and production staff.

Nationally Traffic Technologies employs over 170 staff. With our expertise, state-of-the-art manufacturing facilities and qualified personnel, together with our well-established production systems, we have the capacity to increase output levels to meet the most demanding projects..

### Engineering

With four specialist R&D teams, based in Sydney, Melbourne, Brisbane and Adelaide, and a combined experience of over 80 years, our team has the capability to handle complex engineering solutions inclusive of hardware and software through our NATA accredited laboratories. This gives our customers confidence that our development programs are always at the forefront of technology.







Our focus on energy efficient, Smart Street Lighting has made us a market leader as we continue to upgrade our cities and towns.

With a commitment to providing customers with the most up-to-date innovative product range, the TTL group has successfully installed a range of smart LED street lighting for highways, tunnels and streets, including solar powered products and “smart lights” with sensors with added value for Smart City improvements.

## INSTALLATION & MAINTENANCE

### ITS - Intelligent Transport Systems

The TTL group has supplied and installed a comprehensive range of electronic signage in different types and styles. From full size motorway variable message signs through to school warning signs. Our software and hardware is accredited for approval and we currently maintain ITS assets for road authorities and municipalities across Australia.

### Traffic Signals

The group installs all traffic signals across Australia, including conventional traffic signals and ramp signals. Additionally, we have existing long term contracts to maintain and service traffic signals.

### Road Lighting

The TTL group is a leading streetlight designer, installer and maintenance contractor. Supporting power authorities as well as integration for road authorities and municipalities across Australia.



## Staff

Our expert team of managers and engineers have exceptional knowledge of the traffic and related industry. Our ongoing research program ensures that our products incorporate the latest technology, enabling us to meet and exceed the current and future expectations of our customers.



## Testing & Approval

All our products undergo extensive testing and trials before being approved for use on the roads. We have an accredited NATA Laboratory in which we are able to vigorously test our products. All products must satisfy various Australian Standards as well as the requirements of each State Road Authority.

Our fully ISOIEC 17025 NATA accredited laboratory is able to conduct a comprehensive series of tests on a range of products before they are deployed on the roads.



## Australian Standards

The group is represented on various Australian Standard Committees, as well as other industry associations, and have received numerous awards for recognition of our long standing involvement and contribution to the economic growth in the state of NSW.



## Quality

Our group of companies has implemented and maintained its Quality Management System aligned to ISO9001:2015. The Quality Management System is integrated throughout the organization covering all our core processes from initial customer service, product development, supply chain management and manufacturing through to delivery and installation.





Our Quality Management System is audited by Best Practice and certified to ISO9001:2015 Quality Management Systems. We aim to continually enhance customer satisfaction through improved processes and operational efficiency.

Our quality management system requires all project's to have a Quality Management Plan detailing all of the project activities, communication plans, stakeholders and project schedule.



### Compliance & Insurance

The group is compliant with all legislative requirements and maintains comprehensive insurance to protect its workers, customers and organisation.



### Safety

The group has implemented and maintained a comprehensive Safety Management System, ensuring and safeguarding the health and wellbeing of all our employees and visitors. The Safety Management System is certified to AS/NZS4801:2001. With a dedicated team, we ensure ongoing management, monitoring and improvement of our systems. Our workplace health and safety systems are subjected to weekly and monthly external reviews.



### Supply Chain

The group has long standing relationships with key suppliers. Quality and reliability is essential for any product we put on the roads. Ensuring that we use only those suppliers who meet our exacting quality standards. Our established and effective supply chain management systems are integrated into our Quality Management Systems, including advanced planning systems for production, raw material, stock housing and established purchasing protocols. Environmental and sustainability requirements are adopted in all purchasing and supplier evaluations.

### Distribution

We have over 50 years' experience distributing our products across Australia. Our distribution network includes offices throughout Australia, the United Kingdom and through local agents and distributors in Brunei, Chile, China, Colombia, Denmark, Ecuador, Fiji, Greece, Hong Kong, India, Ireland, Malaysia, Mexico, Myanmar, New Zealand, Pakistan, Philippines, Qatar, Russia, Saudi Arabia, Singapore, South Africa and Vietnam.

### Management Systems

The group utilises SAP Business One, an internationally recognised MRP system to manage and control all aspects of our operations, including purchasing, stock control, bills of material, manufacturing and customer ordering. This system provides our management team with constantly updated information and reports. SAP enables them to manage the business and individual contracts effectively and efficiently.

### Manufacturing Capacity

With over 10,000 m2 of production area across Australia, the group has the capacity to produce over 72,000 traffic Signals, 54,000 LED street/road lights, 1600 traffic Signal controllers and 36 Ton of street – roadway – highway signs to meet substantial project demands.



# TRAFFIC TECHNOLOGIES

Keeping Traffic on the Move





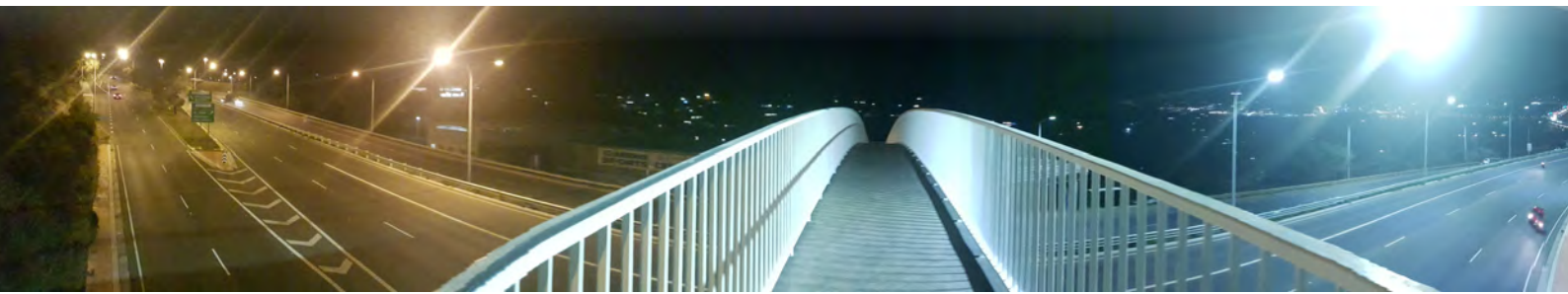


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Before and After - VLED Installation - Hobart Tasmania

## Offices Located in

Sydney | Brisbane | Darwin | Canberra | Adelaide | Perth | Hobart

## Internationally

United Kingdom

## Distribution network

Brunei | Chile | China | Colombia | Denmark | Ecuador | Fiji | Greece | Hong Kong | India | Ireland  
Malaysia | Mexico, | Myanmar | New Zealand | Pakistan | Philippines | Qatar | Russia | Saudi Arabia  
Singapore | South Africa | Vietnam